

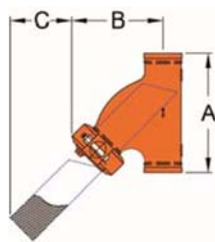
MODEL 726 Y-STRAINER

The Model 726 Grooved-end Y-Strainers are designed to strain debris and foreign matter from piping systems and thus provide inexpensive protection for costly pumps, meters and other components. The 726 Y-Strainer can be installed quickly and easily with two mechanical couplings and the straight flow through design provides for lower pressure drop. This strainer features a stainless steel screen that is secured with an end cap and mechanical coupling. Cleaning and maintenance of the screen can be accomplished easily by removing the coupling. The Model 726 Y-Strainer is suitable for vertical or horizontal installations.

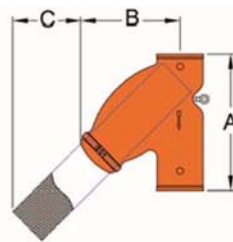
Standard Screen: 1/16" (1.6 mm) perforated for 2"~3" sizes and 1/8" (3.2 mm) perforated for 4" ~ 16". Other customized screen perforations are available on request.



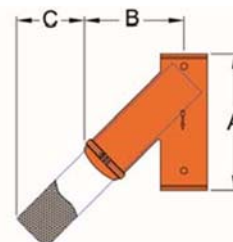
For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, www.shurjoint.com for details or contact your **SHURJOINT** Representative.



2"~12"



14"~16"



18"~30"
Fabricated



Full warranty terms can be found on www.shurjoint.com

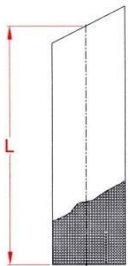
Model 726 Y-Strainer

Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Dimensions			Drain Plug Size	Weight
			A	B	C		
in	in	PSI	in	in	in	in	Lbs
mm	mm	Bar	mm	mm	mm	mm	Kgs
2	2.375	300	9.75	7.13	4.56	1/2	9.3
50	60.3	20	248	181	116	15	4.2
2 1/2	2.875	300	10.75	7.83	4.80	1/2	13.2
65	73.0	20	273	199	122	15	6.0
76.1 mm	3.000	300	10.75	7.83	4.80	1/2	13.2
	76.1	20	273	199	122	15	6.0
3	3.500	300	11.75	8.70	5.08	1	16.2
80	88.9	20	299	221	129	25	7.6
4	4.500	300	14.25	10.59	6.61	1	26.4
100	114.3	20	362	269	168	25	12.0
139.7 mm	5.500	300	16.50	13.00	10.16	1	48.4
	139.7	20	419	330	258	25	22.0
5	5.563	300	16.50	13.00	10.16	1	48.4
125	141.3	20	419	330	258	25	22.0
6	6.625	300	18.50	14.05	8.62	1	65.4
150	168.3	20	470	357	219	25	29.7
165.1 mm	6.500	300	18.50	14.05	8.62	1	65.0
	165.1	20	470	357	219	25	29.5
8	8.625	232	24.00	17.87	11.18	1 1/2	121.0
200	219.1	16	610	454	284	40	55.0
10	10.750	175	27.00	20.55	12.60	1 1/2	182.6
250	273.0	12	686	522	320	40	83.0
12	12.750	175	30.00	24.00	14.40	1 1/2	277.2
300	323.9	12	762	609	366	40	126.0
200 JIS	8.516	232	24.00	17.87	11.18	1 1/2	121.0
	216.3	16	610	454	284	40	55.0

Model 726 Y-Strainer								
Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Dimensions			Drain Plug Size	Weight	
			A	B	C			
in	in	PSI	in	in	in	in	Lbs	
mm	mm	Bar	mm	mm	mm	mm	Kgs	
250 JIS	10.528 267.4	175 12	27.00 686	20.55 522	12.60 320	1½ 40	182.6 83.0	
300 JIS	12.539 318.5	175 12	30.00 762	24.00 609	14.40 366	1½ 40	277.2 126.0	
14	14.000 355.6	175 12	40.00 1016	29.92 760	18.90 480	1¼ 32	418.0 190.0	
16	16.000 406.4	175 12	42.00 1067	30.60 777	19.00 483	1¼ 32	495.0 225.0	
18	18.000 457.2	175 12	48.50 1232	33.50 851	28.00 711	2 50	825.0 375.0	
20	20.000 508.0	175 12	53.75 1365	39.00 991	32.00 813	2 50	1056.0 480.0	
22	22.000 559.0	175 12	60.00 1527	40.50 1029	33.00 838	2 50	1474.0 670.0	
24	24.000 609.6	175 12	64.00 1626	42.00 1067	34.00 864	2 50	1683.0 765.0	
26	26.000 660.4	175 12	68.00 1727	47.00 1194	38.00 965	2 50	2244.0 1020.0	
28	28.000 711.2	175 12	72.00 1829	51.50 1308	41.00 1041	2 50	3014.0 1370.0	
30	30.000 762.0	175 12	75.00 1905	56.00 1422	44.50 1130	2 50	3487.0 1585.0	

*Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

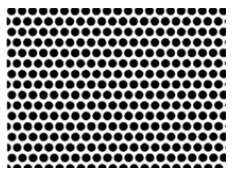
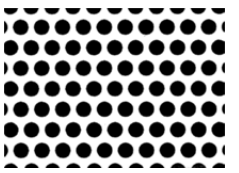
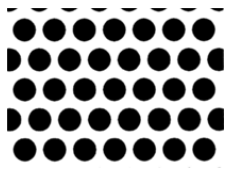
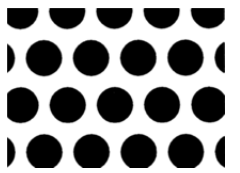
Screen Dimensions



Screen Dimensions												
Size	in	2	2.5	3	4	5	6	8	10	12	14	16
	mm	50	65	80	100	125	150	200	250	300	350	400
L	in	7.08	7.56	8.15	10.55	12.40	13.90	17.90	20.50	23.50	29.50	29.00
	mm	180	192	207	268	315	353	455	521	597	749	737

Perforation



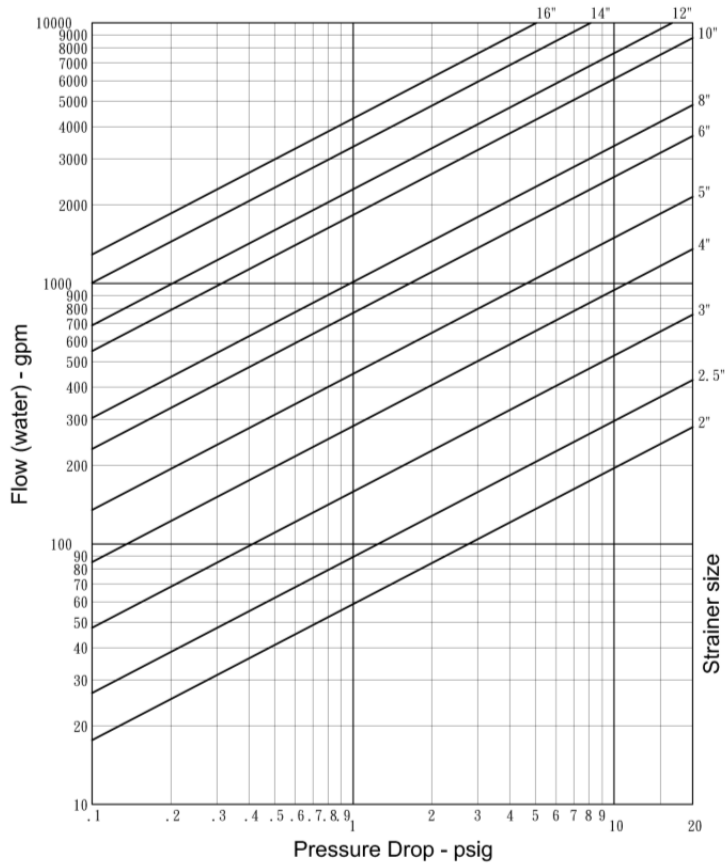
Perforation			
			
1.6 mm DIAM. 144 HOLES SQ. IN 38% OPEN AREA	3.2 mm DIAM. 32 HOLES SQ. IN. 40% OPEN AREA	5.0 mm DIAM. 18 HOLES SQ. IN. 46% OPEN AREA	8.0 mm DIAM. 14 HOLES SQ. IN 43% OPEN AREA

Flow Data – C_v Values

Values for flow of water at +60°F (+16°C).

$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

Where: C_v = Flow coefficient
 Q = Flow (GPM)
 ΔP = Pressure drop (psi)



MATERIAL SPECIFICATIONS

• Body, End-Cap, Drain Plug and Coupling Segments:

Ductile Iron to ASTM A536, Gr. 65-45-12 and or to ASTM A395, Gr. 65-45-15.

• Surface Finish:

Orange color painted or red RAL3000 color painted

- Hot dip galvanized (Option)
- Epoxy coated in red RAL3000 or other colors (Option)

• Rubber Gasket:

Grade “E” EPDM (Color code: Green stripe) Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals. **Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.**

Maximum Temperature Range: -30°F (-34°C) to +230°F (+110°C)*.

*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.

- Grade “T” Nitrile (color code: Orange stripe) (Option) Recommended for petroleum products, vegetable oils, mineral oils and air with oil vapors. Temperature range: -20 °F to +180 °F (-29 °C to +82 °C). Also good for water services under +150 °F (+66 °C). **Do not use for HOT WATER above +150 °F (+66 °C) or HOT DRY AIR above +140 °F (+60 °C).**

- Other options: Grade “O” Fluoroelastomer, Grade “L” Silicone are also available upon request.

• Bolts & Nuts:

Heat-treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi (758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.

• Screen:

Stainless Steel Type 304 to ASTM A240. Factory’s standard screen perforation is 1/16” (1.6 mm) and 1/8” (3.2 mm). Other perforations are available upon request.

General Notes:

- **Maximum Working Pressure (CWP)** listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact **Shurjoint** for additional information.
- **Listed and or Approved Pressures** are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the **Shurjoint** website.
- **Field Joint Test:** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **The 10 Year Limited Warranty** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- **Shurjoint** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.

*Shurjoint product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.*